

## REMARKS

In response to Notice of Non-Compliant Amendment, Applicants herewith submit Replacement and annotated sheets for Figure 1-23, indicating changes in pagination. Each of the new figures 19-24 is indicated as "New Sheet". These new figures were referred to in the response to the Office Action submitted on November 20, 2006. Thus, no new matter is added.

The Examiner is invited to contact the undersigned at (914) 712-0093 if there are any questions about this amendment or application.

Respectfully submitted,

Date: 4/17/08



Cheryl H. Agris, Reg. No. 34,086

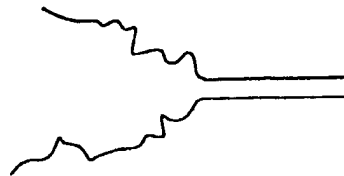


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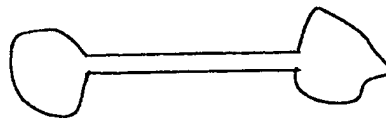
(A)



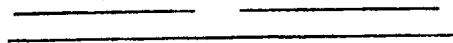
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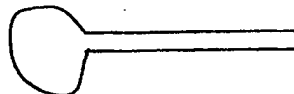
(C)



(D)



(E)



(F)

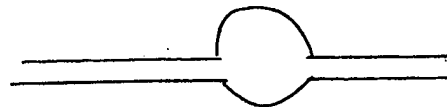


Figure 1 (A-F)

Construct Forms Comprising at Least one Single-Stranded  
Region

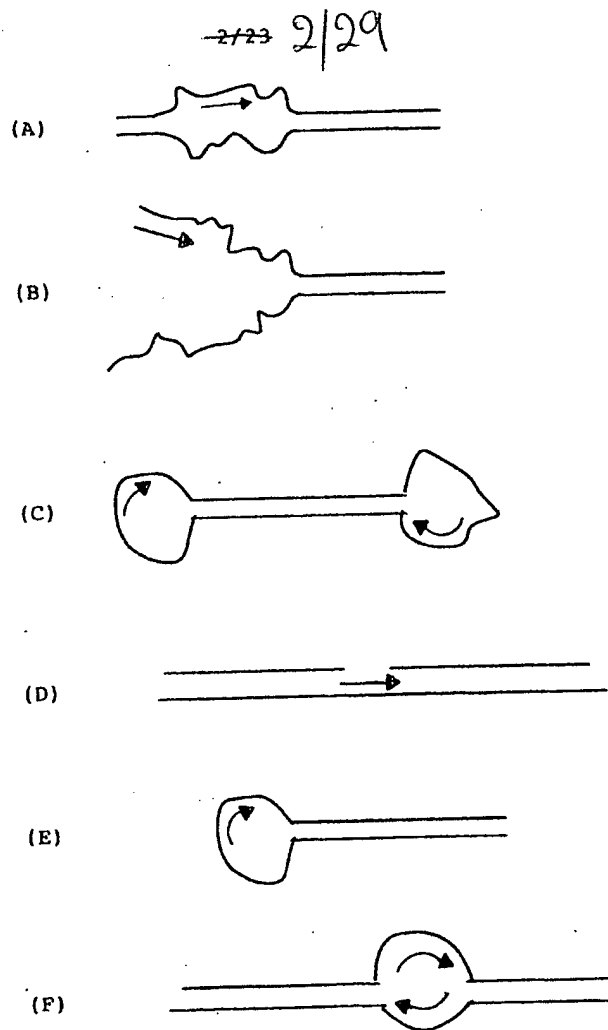


Figure 2 (A-F)

Functional Forms of the Construct

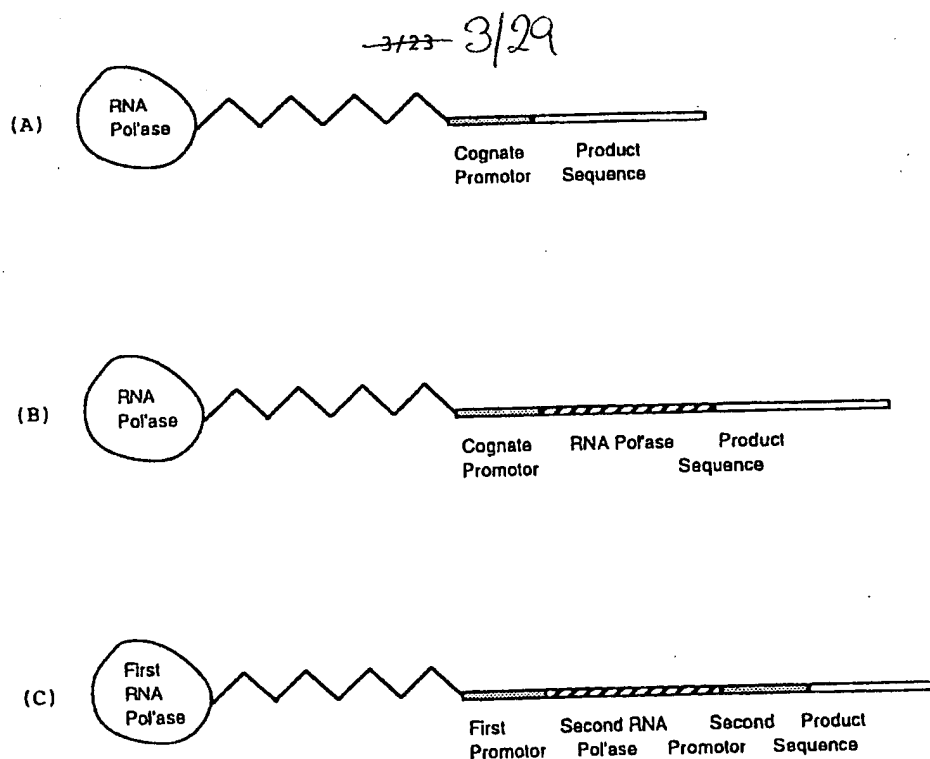
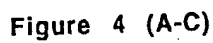


Figure 3 (A-C)

Three Constructs with an RNA Polymerase  
Covalently Attached to a Transcribing Cassette



### Three Constructs with Promoters for Endogenous RNA Polymerase

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M13mp18. Seq Length: 7250

1.	AATGCTACTA	CTATTAGTAG	AATTGATGOC	ACCTTTTCAG	CTGGGGGGCC
51.	AAATGAAAAT	ATAGCTAAAC	AGGTATTGA	CCATTGCGA	AATGTATCTA
101.	ATGGTCAAAC	TAAATCTACT	OGTTGCGAGA	ATTGGGAATC	AACTGTTACA
151.	TGGAATGAAA	CTTCAGACA	COGTACTTTA	GTTGCATATT	TAAAACATGT
201.	TGAGCTACAG	CACCAGATTC	AGCAATTAAG	CTCTAAGCCA	TCGGCAAAAA
251.	TGACCTCTTA	TCAAAAGGAG	CAATTAAAGG	TACTCTCTAA	TCCTGAOCTG
301.	TTGGAGTTTG	CTTCGGTCT	GGTTGCTTT	GAAGCTCGAA	TTAAAAOOGG
351.	ATATTTGAAG	TCCTTGGGC	TTCTCTTAA	TCCTTTTGAT	GCAATCOGCT
401.	TTGCTTCTGA	CTATAATAGT	CAGGGTAAAG	ACCTGATTTT	TGATTTATGG
451.	TCATTCTCGT	TTTCTGAACT	GTTTAAAGCA	TTTGAGGGGG	ATTCAATGAA
501.	TATTTATGAC	GATTOGCGAG	TATTGGAOCC	TATOCAGTCT	AAACATTTTA
551.	CTATTACCCC	CTCTGGCAAA	ACTTCTTTTG	CAAAAGCCTC	TCGCTATTTT
601.	GGTTTTTATC	GTCGTCTGGT	AAAGGAGGGT	TATGATAGTG	TTGCTCTTAC
651.	TATGCTCGT	AAATCCTTTT	GGGTTATGT	ATCTGCATTA	GTTGAATGTG
701.	GTATTOCTAA	ATCTCAACTG	ATGAATCTTT	CTACCTGTAA	TAATGTTGTT
751.	COGTTAGTTC	GTTTTATTAA	CGTAGATTTT	TCTTCCCAAC	GTCCTGACTG
801.	GTATAATGAG	CCAGTTCTTA	AAATGCGATA	AGGTAATTCA	CAATGATTAA
851.	AGTTGAAATT	AAACCATCTC	AAGCCCAATT	TACTACTCGT	TCTGGTGTTC
901.	TOGTCAGGGC	AAGCTTATT	CACTGAATGA	GCAGCTTTGT	TACGTTGATT
951.	TGGGTAATGA	ATATCOGGTT	CTTGTCGAAG	ATTACTCTTG	ATGAAGGTCA
1001	GOCAGCCTAT	GCGCCTGGTC	TGTACACCGT	TCATCTGTCC	TCTTTCAAAG
1051	TTGGTCAGTT	CGGTTCCCTT	ATGATTGAOC	GTCTGCGOCT	CGTTCCGGCT
1101	AAGTAACATG	GAGCAGGTGG	CGGATTTGGA	CACAATTTAT	CAGGCGATGA
1151	TACAAATCTC	CGTTGTACCTT	TGTTTGGGCG	TTGGTATAAT	CGCTGGGGGT
1201	CAAAGATGAG	TGTTTTAGTG	TATTCTTTGG	CCTCTTTGGT	TTTAGGTTGG

Figure 5

M13mp18 Nucleic Acid Sequence

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1251	TGCTTGTGTA	GTGGCATTAC	GTATTTTACC	CGTTTAATGG	AAACTTCTCT
1301	ATGAAAAAGT	CTTTAGTCT	CAAAGCTCT	GTAGCGGTG	CTAAGCTGT
1351	TCGATGCTG	TCTTTCGCTG	CTGAGGTGA	CGATCGGCA	AAAGCGGCT
1401	TTAACTCCT	GCAAGCTCA	GCGAAGCAAT	ATATCGGTTA	TGCTGGGGG
1451	ATGGTTGTTG	TCATTGTGG	CGCAACTATC	GGTATCAAGC	TGTTTAAGAA
1501	ATTCACTCTG	AAAGCAAGCT	GATAAAGCA	TACAATTAAA	GGCTCTTTT
1551	GGAGCTTTT	TTTTTGAGA	TTTCAACGT	GAAAAATTA	TTATTCGCA
1601	TTCTTTAGT	TGTTCTTTC	TATCTCACT	CGCTGAAAC	TGTTGAAAGT
1651	TGTTTAGCA	AAGCATAC	AGAAATTC	TTACTAAGC	TCTGAAAGA
1701	CGACAAACT	TTAGATGTT	AGCTAATA	TGAGGTTGT	CTGTGGAATG
1751	CTACAGGCT	TGTAGTTGT	ACTGTTGAG	AACTCAGTG	TTAGGTTACA
1801	TGGGTTCTA	TTGGGCTTC	TATCTGAA	AATGAGGTTG	GTGGCTCTGA
1851	GGGTGGGGT	TCTGAGGTTG	GCGTTCTGA	GGGTGGGGT	ACTAAAGCTC
1901	CTGAGTACG	TGATACACT	ATTCGGGCT	ATACTTATAT	CAAGCTCTC
1951	GACGGCACTT	ATTCGGGCTG	TACTGAGCA	AAGCGCTA	ATCTAATCC
2001	TTCTCTGAG	GAGTCTCAGC	CTCTTAATAC	TTTCATGTTT	CAGAATAATA
2051	GGTTGAGAA	TAGGCAAGGG	GCATTAATG	TTTATAGGC	CACTGTTACT
2101	CAAGGCACTG	AAGCGTTAA	AACTTATTAC	CAGTACACTC	CTGTATCATC
2151	AAAAGCATG	TATGAGCTT	ACTGGAAGG	TAAATTCAGA	GACTGCGCTT
2201	CAAGGCACTG	AAGCGTTAA	AACTTATTAC	CAGTACACTC	CTGTATCATC
2151	AAAAGCATG	TGCTCAAGC	TCTGTCAAT	GCTGGGGGG	GCTCTGGTGG
2201	TCATTTCTG	CTTTAATCAA	GATCATTCTG	TTTGTGAATA	TCAAGGCCAA
2251	TGTTCTGAC	TGCTCAAGC	TCTGTCAAT	GCTGGGGGG	GCTCTGGTGG
2301	TGGTTCTGGT	GGGGCTCTG	AGGGTGGTG	CTCTGAGGGT	GGGGTTCTG
2351	AGGGTGGGG	CTCTGAGGGA	GGGGTTCTG	GTTGGGCTC	TGGTTGCGT
2401	GATTTTGATT	ATGAAAGAT	GGCAAGGCT	AATAAGGGG	CTATGAGCA
2451	AAATGCGAT	GAAAGCGGC	TACAGTCTGA	CGCTAAGGC	AACTTGATT

Figure 5

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2501	CTGTGCTAC	TGATTACGGT	GCTGCTATCG	ATGGTTTCAT	TGGTGAAGTT
2551	TOGGGOCITG	CTAATGGTAA	TGGTGCTACT	GGTGATTTTG	CTGGCTCTAA
2601	TTOCCAAATG	GCTCAAGTCG	GTGAOGGTGA	TAATTCACCT	TTAATGAATA
2651	ATTTGCTCA	ATATTTACCT	TOOCTDOCTC	AATGGGTTGA	ATGTGGOOCT
2701	TTTGCTTTTA	GCGCTGGTAA	ACCATATGAA	TTTTCTATTG	ATTGTGACAA
2751	AATAAACTTA	TTOCGTGGTG	TCTTTGCGTT	TCTTTTATAT	GTTGOCACCT
2801	TTATGTATGT	ATTTTCTACG	TTTGCTAACA	TACTGOGTAA	TAAGGAGTCT
2851	TTATCATGCC	AGTTCITTTG	GGTATTOCGT	TATTATTGCG	TTTOCTGGGT
2901	TTOCTTCTGG	TAACITTTGTT	OGGCTATCTG	CTTACTTTTC	TTAAAAAGGG
2951	CTTGGTAAG	ATAGCTATTG	CTATTTCAAT	GTTTCTTGCT	CTTATTATTG
3001	GGCTTAACTC	AATTCITGTG	GGTTATCTCT	CTGATATTAG	OGCTCAATTA
3051	COCTCTGACT	TIGTTCAGGG	TGTTCACTTA	ATTCTOOGT	CTAATGOGCT
3101	TOOCTGTTTT	TATGTTATTC	TCTCTGTAAA	GGCTGCTATT	TTTATTTTTG
3151	ACGTTAAACA	AAAAATCGTT	TCTTATTTGG	ATTGGGATAA	ATAATATGGC
3201	TGTTTTATTT	GTAAGTGGCA	AATTAGGCTC	TGGAAAGACG	CTOGTTAGGG
3251	TTGGTAAGAT	TCAGGATAAA	ATTGTAGCTG	GGTGCAAAAT	AGCAACTAAT
3301	CTTGATTTAA	GGCTTCAAAA	OCTOOGCAA	GTOGGGAGGT	TGCTAAAAAC
3351	GGOCTGGGTT	CTTAGAATAC	OGGATAAGGC	TTCTATATCT	GATTTGCTTG
3401	CTATTGGGCG	CGGTAATGAT	TOCTACGAATG	AAAATAAAAA	CGGCTTGCTT
3451	GTTCTOGATG	AGTGGGGTAC	TTGGTTTAAT	ACCGTTCTT	GGAATGATAA
3501	GGAAAGACAG	CGGATTATTG	ATTGGTTTCT	ACTGCTOGT	AAATTAGGAT
3551	GGGATATTAT	TTTTCTTGTT	CAGGACTTAT	CTATTGTTGA	TAAACAGGGG
3601	CGTTCTGCAT	TAGCTGAACA	TGTTGTTTAT	TGTGTOGTC	TGGACAGAAT
3651	TACTTTACCT	TTGTGCGTA	CTTTATATTC	TCTTATTACT	GGCTOGAAAA
3701	TGCTCTGOC	TAAATTACAT	GTTGGGCTTG	TTAAATATGG	CGATTCTCAA
3751	TTAAGCOCTA	CTGTTGAGGG	TTGGCTTTAT	ACTGGTAAGA	ATTGTATAA
3801	CGCATATGAT	ACTAAACAGG	CTTTTCTAG	TAATTATGAT	TOCGGTGTTT

Figure 5

M13mp18 Nucleic Acid Sequence



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3851 ATTCTTATTT AACGOCCTTAT TTATCACACG GTCGGTATTT CAAAOCATTA
3901 AATTTAGGTC AGAAGATGAA ATTAAGTAAA ATAATATTGA AAAAGTTTTC
3951 TCGGTTCTTT TGTCTTGCGA TTGGATTGTC ATCAGCATTT ACATATAGTT
4001 ATATAACCCA AOCTAAGCOG GAGGTTAAAA AGGTAGTCTC TCAGAOCTAT
4051 GATTTTGATA AATTCACATAT TGA CTCTTCT CAGGCTCTTA ATCTAAGCTA
4101 TCGCTATGTT TTCAAGGATT CTAAGGGAAA ATTAATTAAT AGOGACGATT
4151 TACAGAAGCA AGGTTATTCA CTCACATATA TTGATTTATG TACTGTTTCC
4201 ATTAATAAAG GTAATTCAAA TGAAATTGTT AAATGTAATT AATTTTGTTT
4251 TCTTGATGTT TGTTCATCA TCTTCTTTG CTCAGGTAAT TGAAATGAAT
4301 AATTOGCTC TCGGOGATT TGTAACCTGG TATTCAAAGC AATCAGGOGA
4351 AATOCGTTATT GTTCTCOOG ATGTAAAAGG TACTGTACT GTATATTCAT
4401 CTGAOGTTAA AOCTGAAAAT CTACGCAATT TCTTTATTTT TGTTTTAOGT
4451 GCTAATAATT TTGATAATGGT TGGTTCAATT CCTTCATAA TTCAGAAGTA
4501 TAATOCAAAC AATCAGGATT ATATTGATGA ATTGOCATCA TCTGATAATC
4551 AGGAATATGA TGATAATTC GCTOCTCTG GTGGTTTCTT TGTTCCGCAA
4601 AATGATAATG TTA CTCAAAC TTTTAAAATT AATAACGTTT GGGCAAAGGA
4651 TTTAATAOGA GTTGTOGAAT TGTTTGTAAG GTCTAATACT TCTAAATCCT
4701 CAAATGTATT ATCTATTGAC GGCTCTAATC TATTAGTTGT TAGTGCTOCT
4751 AAAGATATTT TAGATAAOCCT TCCTCAATTC CTTTCTACTG TTGATTTGOC
4801 AACTGAOCAG ATATTGATTG AGGGTTTGAT ATTTGAGGTT CAGCAAGGTG
4851 ATGCTTTAGA TTTTTCATTT GCTGCTGGCT CTCAGGTEG CACTGTTGCA
4901 GCGGGTGTTA ATACTGAOCG OCTCAOCTCT GTTTTATCTT CTGCTGGTGG
4951 TTOGTTCCGT ATTTTAAATG GOGATGTTT AGGGCTATCA GTTGGGOCAT
5001 TAAAGACTAA TAGOCATTCA AAAATATTGT CTGTGOCAG TATTCTTAOG
5051 CTTTCAGGTC AGAAGGGTTC TATCTCTGTT GGCAGAAATG TCCCTTTTAT
5101 TAAAGACTAA TAGOCATTCA AAAATATTGT CTGTGOCAG TATTCTTAOG
5151 OGATTGAGOG TCAAAATGTA GGTATTTCA TGAGOGTTT TCCTGTTGCA
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5201	ATGGCTGGGG	GTAATATTGT	TCTGGATATT	AACAGCAAGG	CGGATAGTTT
5251	GAGTTCTCT	ACTCAGGCAA	GTGATGTTAT	TACTAATCAA	AGAAGTATTG
5301	CTACAAOGGT	TAATTTGOGT	GATGACAGAG	CTCTTTTACT	CGGTGGGCTC
5351	ACTGATTATA	AAAACACTTC	TCAAGATTCT	GGGTAAOOGT	TCCTGTCTAA
5401	AATCCCTTTA	ATCGGGCTCC	TGTTTAGCTC	CGGCTCTGAT	TCGAAAGAGG
5451	AAAGCAOGTT	ATAOGTGCTC	GTCAAAGCAA	CCATAGTAGG	CGGGCTGTAG
5501	CGGGCGCATT	AGGGGGGGGG	GTGTGGTGGT	TAGGGGAGGC	GTGAAGGCTA
5551	CACTTGCCAG	CGGGCTAGGG	CGGGCTGCTT	TGGCTTTCTT	CGCTTCTTTT
5601	CTGGGCAOGT	TGGGGGGCTT	TGGGGGTCAG	GCTCTAAATC	GGGGGGCTCC
5651	TTTAGGGTTC	CGATTTAGTG	CTTTAGGCGA	CGTGGAGGCG	AAAAAAGTTG
5701	ATTTGGGTGA	TGGTTCAOGT	AGTGGGGCAT	CGGGCTGATA	GAGGGTTTTT
5751	CGGGCTTTGA	CGTTGGAGTC	CAOGTTCTTT	AATAGTGGAC	TCTTGTTCAG
5801	AAGTGGAAAC	ACACTCAAGC	CTATCTGGGG	CTATTCTTTT	GATTTATAAG
5851	GGATTTTGCC	GATTTGGGAA	CCAGCATCAA	ACAGGATTTT	CGGGCTGGTG
5901	GGCAAGCCAG	CGTGGAGGCG	TTGGTGCAAC	TCTCTAGGGG	CGAGGGGGTG
5951	AAGGGCAATC	AGCTGTTGCG	CGTCTGGCTG	GTGAAAGAGG	AAAGCAAGCT
6001	GGGGGGCAAT	AGGCAAGGCG	CGTCTGGGCG	CGGGTTGGCG	GATTCATTAA
6051	TGCAGCTGGC	AGGACAGGTT	TGGGAGCTGG	AAAGGGGGCA	GTGAGGGCAA
6101	CGCAATTAAT	GTGAGTTAGC	TCACTCATTA	GGCAAGCCAG	GCTTTTAACT
6151	TTATGCTTCC	GGCTGGTATG	TTGTGTGGAA	TTGTGAGGGG	ATAACAATTT
6201	CACACAGGAA	ACAGCTATGA	CCATGATTAC	GAATTOGAGC	TGGGTAGGCG
6251	GCGATCTCTT	AGAGTGGACC	TGCAGGCATG	CAAGCTTGGC	ACTGGGGGTC
6301	GTTTTACAAC	GTGGTGACTG	GGAAAAAGCT	GGGGTTAAGC	AACTTAATCG
6351	CGTTGCAGCA	CAATCGGCTT	TGGGAGCTGG	GGGTAATAGC	GAGAGGGGCG
6401	GCAAGGATCG	CGCTTGGCAA	CGTTGGGCGA	GGCTGAATGG	CGAATGGGGC
6451	TTTGGCTGGT	TTGGGGCAAG	AGAAGGGGTG	CGGAAAGGCT	GGCTGGAGTG
6501	CGATCTTCTT	GAGGGGAGTA	CGGTGGTGGT	CGGCTCAAGC	TGGGAGATGC

Figure 5

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6551	ACGGTTAOGA	TGOGCOOCATC	TACACCAAOG	TAACTATOC	CATTACGGTC
6601	AATOGGOGGT	TTGTTCCAC	GGAGAATCOG	ACGGGTTGTT	ACTOGCTCAC
6651	ATTTAATGTT	GATGAAAGCT	GGCTACAGGA	AGGOCAGAOG	CGAATTATTT
6701	TTGATGGOGT	TOCTATTGGT	TAAAAAATGA	GCTGATTTAA	CAAAAATTTA
6751	ACGCGAATTT	TAACAAAATA	TTAACGTTTA	CAATTTAAAT	ATTTGCTTAT
6801	ACAATCTTCC	TGTTTTTGGG	GCTTTTCTGA	TTATCAACOG	GGGTACATAT
6851	GATTGACATG	CTAGTTTTAC	GATTACCGTT	CATCGATTCT	CTTGTTTGCT
6901	CCAGACTCTC	AGGCAATGAC	CTGATAGCCT	TTGTAGATCT	CTCAAAAATA
6951	GCTACCTCT	COGGCATGAA	TTTATCAGCT	AGAACGGTTG	AATATCATAT
7001	TGATGGTGAT	TTGACTGTCT	COGGCCTTTC	TCACCCTTTT	GAATCTTTAC
7051	CTACACATTA	CTCAGGCATT	GCATTTAAAA	TATATGAGGG	TTCTAAAAAT
7101	TTTTATCCTT	GCGTTGAAAT	AAAGGCTTCT	COGSCAAAAG	TATTACAGGG
7151	TCATAATGTT	TTTGGTACAA	COGATTTAGC	TTTATGCTCT	GAGGCCTTAT

Figure 5

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COMPLEMENTARY TO M13			
POSITION	5' . . . 3'	POSITION	
645	AGCAACACTATCATA	631	M13/1
615	ACGAAGATAAAAAC	601	M13/2
585	TTTGCAAAAGAAGT	571	M13/3
555	AATAGTAAATGTTT	541	M13/4
525	CAATACTGCGGAATG	511	M13/5
495	TGAATCCCCCTCAA	481	M13/6
465	AGAAAACGAGAATGA	451	M13/7
435	CAGGTCTTTACCGTG	421	M13/8
405	AGGAAAGCGGATTGC	391	M13/9
375	AGGAAGCCCCGAAAGA	361	M13/10

COMPLEMENTARY TO SS PHAGE DNA			
POSITION	5' . . . 3'	POSITION	
351	ATATTGAAGTCCTT	366	M13/11
371	TCCTTTTGATGCAAT	386	M13/12
391	CTATAACTCAGGG	406	M13/13
411	TGATTATGGTCATT	426	M13/14
431	GTTTAAAGCATTGA	446	M13/15
451	TATTTATGACGATTC	466	M13/16
471	TATCCAGTCTAAACA	486	M13/17
491	CTCTGGCAAACTTC	506	M13/18
511	TCGCTATTTGGTTT	526	M13/19
531	AAACGAGGGTTATGA	546	M13/20

Figure 6

Primers for Nucleic Acid Production  
Derived from M13mp18 Sequence

~~12/23~~ 12/29

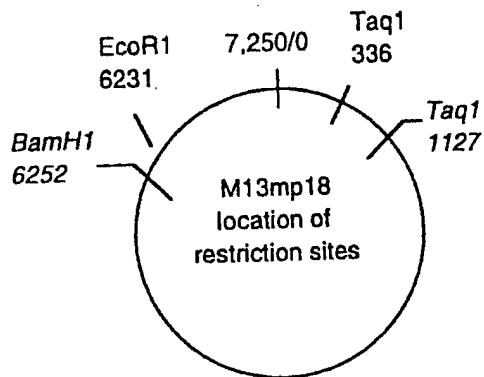
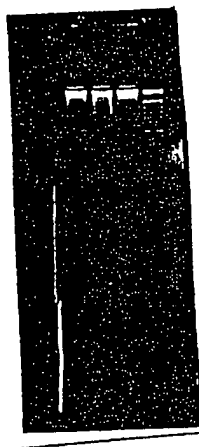


Figure 7

Appropriate M13mp18 Restriction Sites

~~13/23~~ 13/29



Lane 1: from calf thymus + Taq digested mp18 amplification reaction  
Lane 2: from Taq digested mp18 amplification reaction  
Lane 3: from calf thymus amplification reaction  
Lane 4: øX174 Hinf1 size marker

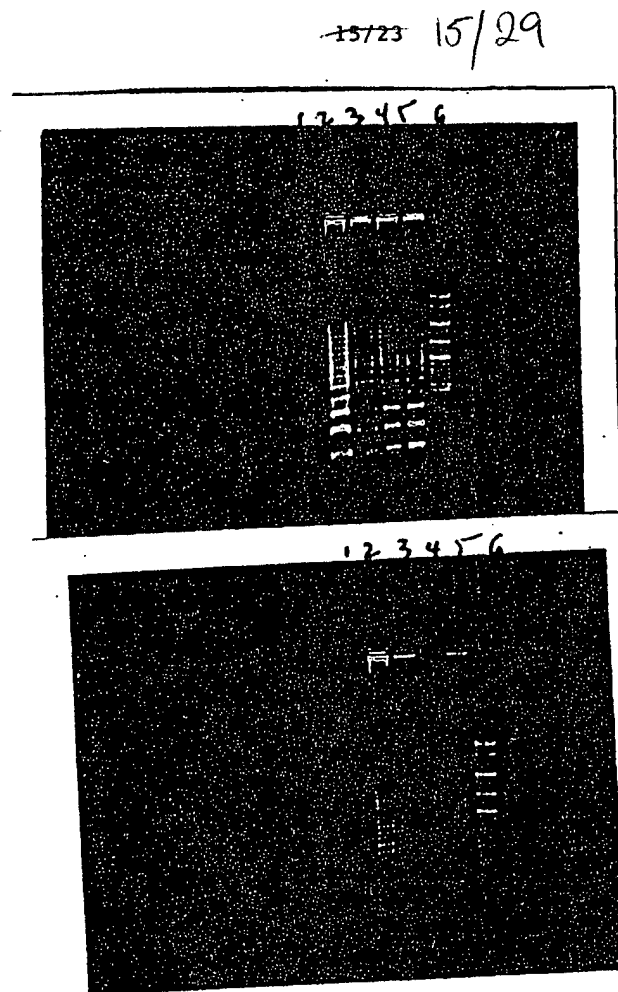
Figure 8

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Lane 1: no template  
Lane 2: mp18 template, phosphate buffer  
Lane 3: MspI/pBR322 size marker  
Lane 4: mp18 template, MOPS buffer

Figure 9



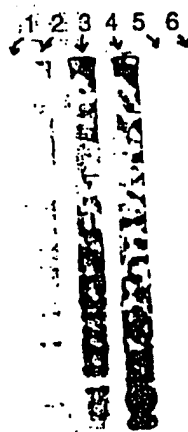
Top= (+) Template  
Bottom= (-) Template

Lane 1: phosphate buffer  
Lane 2: MES  
Lane 3: MOPS  
Lane 4: DMAB  
Lane 5: DMG  
Lane 6: pBR322/MspI size marker

Figure 10



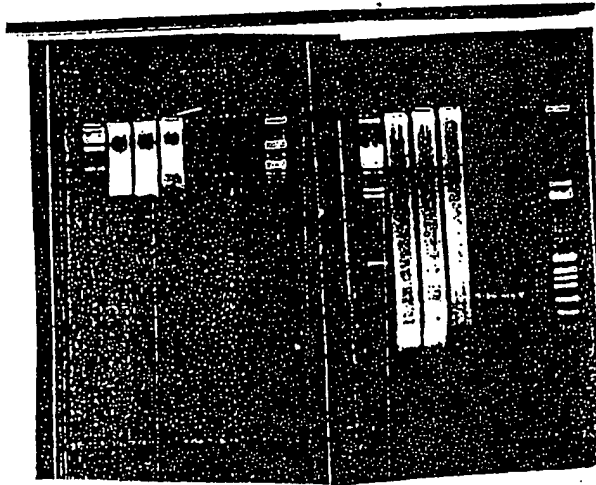
~~16/23~~ 16/29



Lane 1: DMAB buffer, no template  
Lane 2: DMAB buffer, mp18 template  
Lane 3: DMG buffer, no template  
Lane 4: DMG buffer, mp18 template  
Lane 5: No reaction  
Lane 6: 200 ng Taq I digested mp18  
size marker/positive control

Figure 11

~~17/23~~ 17/29



First Time Interval    Second Time Interval

#### Agarose Gel Analysis

Lane 1: lambda Hind III marker  
Lane 2: Amp/Untreated  
Lane 3: Amp/Kinased  
Lane 4: Amp/Kinased/Ligated  
Lane 5: PCR/Untreated  
Lane 6: PCR/Kinased  
Lane 7: PCR/Kinased/Ligated  
Lane 8: phiX174/Hinf1 marker

Figure 12

~~18/23~~ 18/29

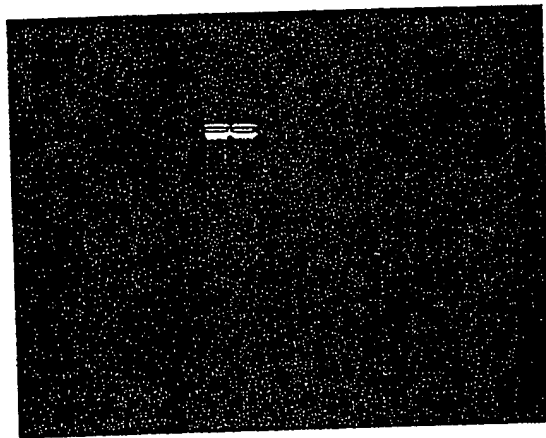
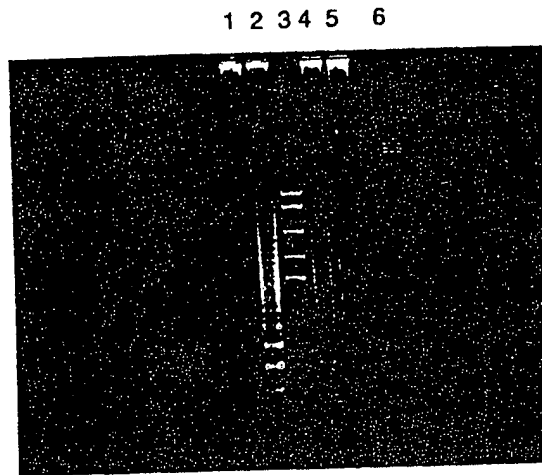


Figure 13

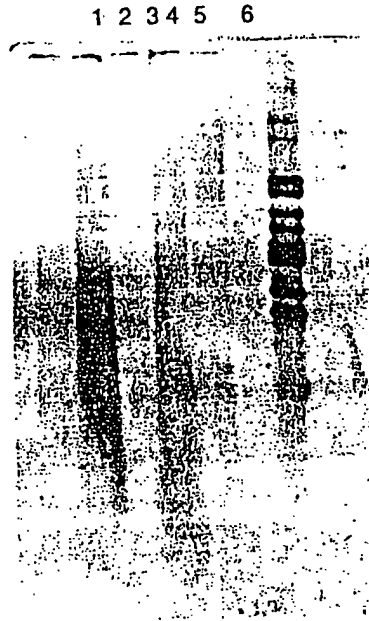
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Lane 1: Primers alone  
Lane 2: Primers + taq digested M13 DNA  
Lane 3: Molecular weight markers  
Lane 4: Primers + RNA  
Lane 5: Primers alone  
Lane 6: M13 digested DNA  
Buffer was dimethyl amino glycine, pH 8.6

Figure 14

~~20/23~~ 20/29



Lane 1: Primers alone  
Lane 2: Primers + taq digested M13 DNA  
Lane 3: Molecular weight markers  
Lane 4: Primers + RNA  
Lane 5: Primers alone  
Lane 6: M13 digested DNA  
Buffer was dimethyl amino glycine, pH 8.6

Figure 15

~~21/23~~ 21/29

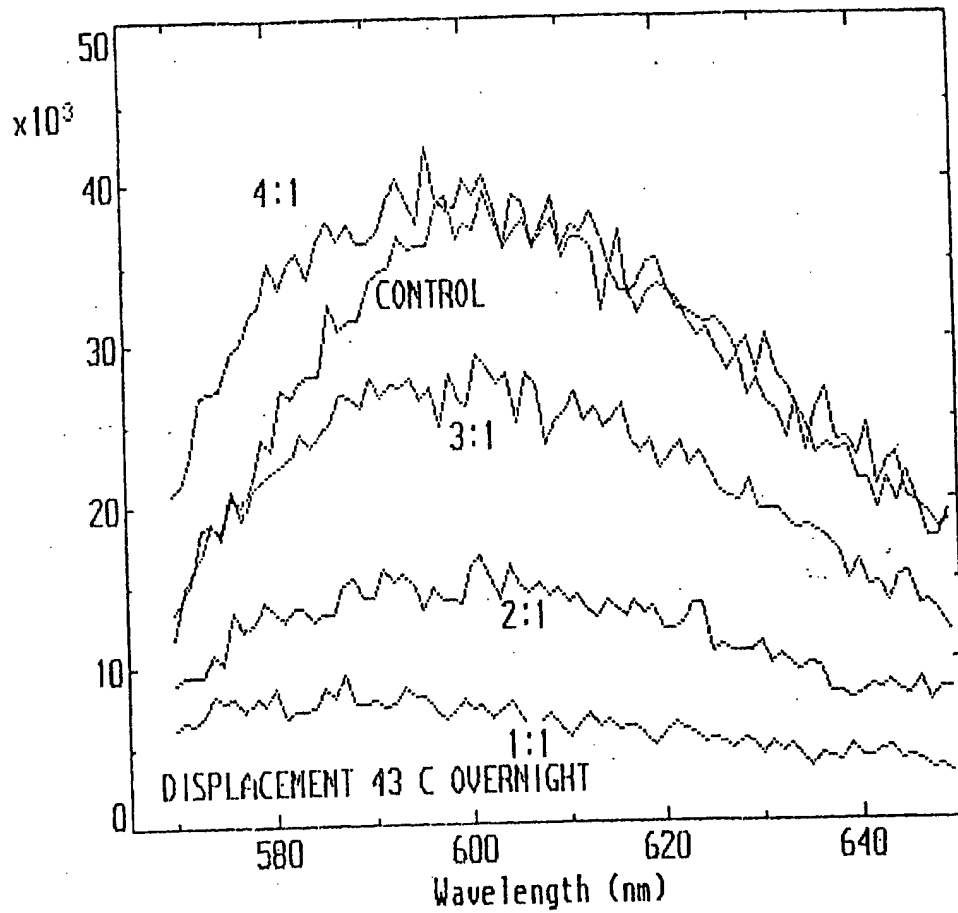


Figure 16

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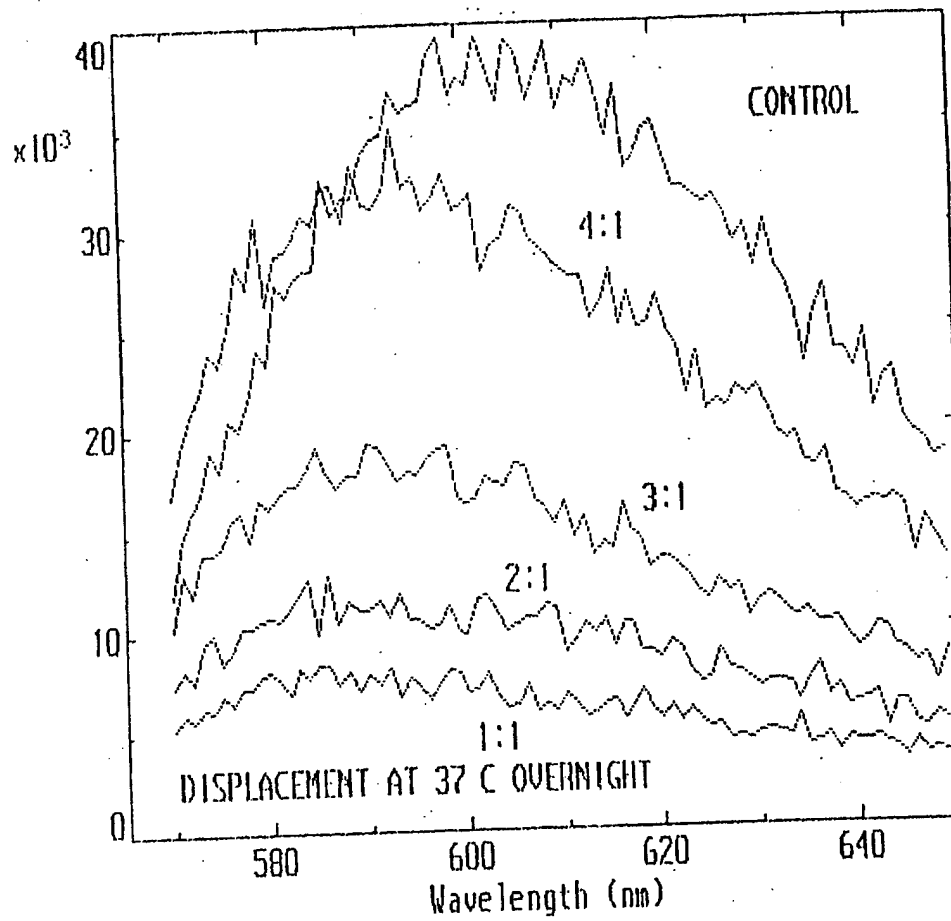


Figure 17

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~~23723~~ 23/29

pIBI 31-BH5-2

fmet AUG of Lac z (T7 Promotor region---  
 LAC PROMOTOR..ATG ACC ATG ATT ACG CCA GAT ATC AAA TTA ATA CGA CTC ACT ATA  
 oligo 50-mer 3'- tac t'aa t'gc ggt' ct'a t'ag t'Vt aat' tat' gct' gag t'ga t'at' c-5'  
 10 base insert  
 T7 RNA Start (== T3 Promotor Region )  
 IGGG CTC ICCT TTA GTG ACG GTT AAT  
 ...») «- T3 Start Signal

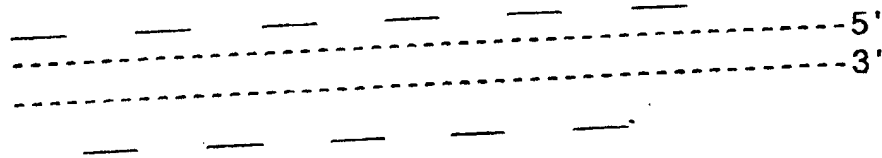
pIBI 31 BSII/HCV

fmet AUG of Lac z [T3 Promotor region ==] T3 RNA Start  
 LAC PROMOTOR ..ATG ACC ATG ATT ACG CCA AGC TCG AAA TTA ACC CTC ACT AAA /GGG  
 oligo 50-mer 3'- tac t'aa t'ac t'aa t'gc ggt' t'V--10 base insert--.....  
 (== T7 Promotor Region )  
 MULTIPLE CLONING SITE + 390 BASE INSERT CTA /TAG TGA GTC CGT ATT AAT....  
 «- T7 Start Signal  
 5'-ct'a t'ag t'ga gt'c gt'a tt'a at'.....

Figure 18

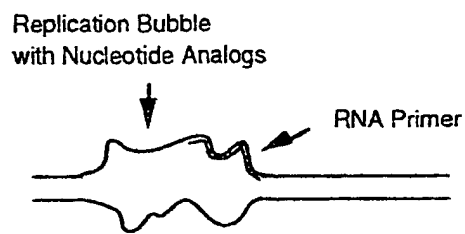


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**Figure 19**

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**Primer-Dependent DNA Production  
Using Nucleic Acid Construct**

**Figure 20**

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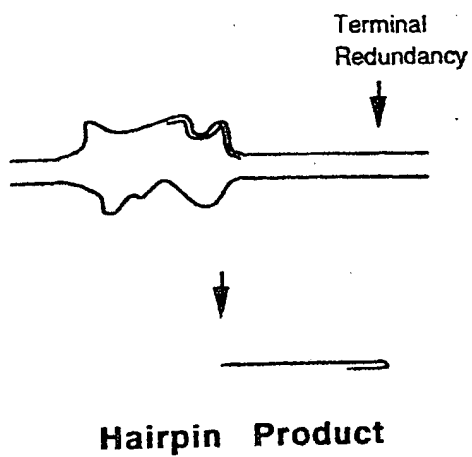


Figure 21

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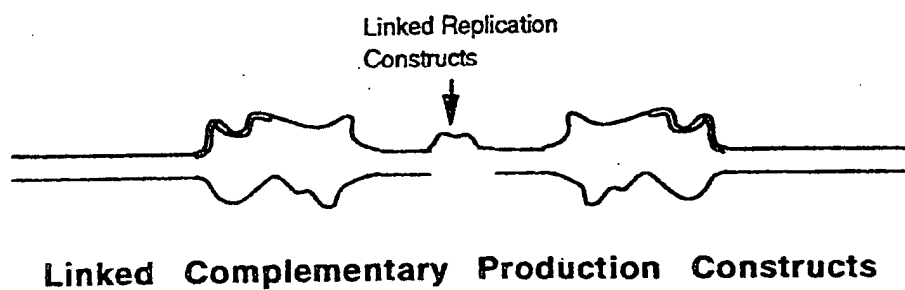
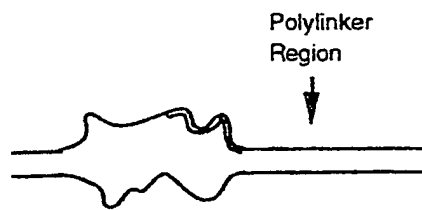


Figure 22

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**Cloning Site in Production Constructs**

**Figure 23**

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ARRANGEMENT OF OLIGONUCLEOTIDE PRIMERS IN AMPLIFICATION REACTION

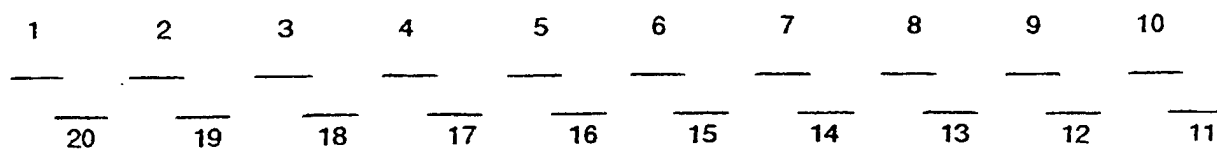


Figure 24